

ABSTRACT OF THE DISCLOSURE

This invention relates to a real-time infrared chemical imaging spectroscopic apparatus, including a light source for generating infrared radiation. A test sample absorbs a narrow-bandwidth infrared radiation as a 5 result of a monochromator dispersing the infrared radiation and emits thermal radiation. IR camera collects the thermal radiation to form an image. As such, the present invention inspects the test sample in real time without a huge amount of complicated computation. Thus, the efficiency of inspection is increased and the optical design of the apparatus is more 10 compact.